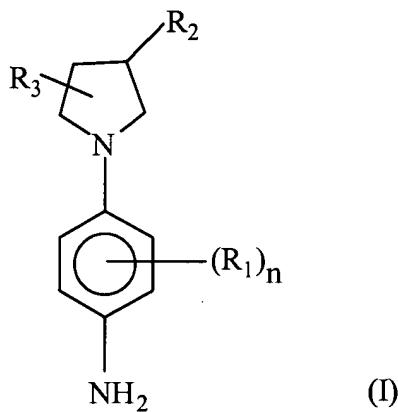


I. AMENDMENT

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A dyeing composition for dyeing keratinous fibres comprising, in an appropriate dyeing medium, at least one cationic tertiary para-phenylenediamine containing a pyrrolidine ring, and at least one organic diacid compound chosen from succinic acid, adipic acid, malic acid, malonic acid, dilinoleic acid, or maleic acid, wherein said cationic tertiary paraphenylenediamine containing a pyrrolidine ring corresponds to formula I:



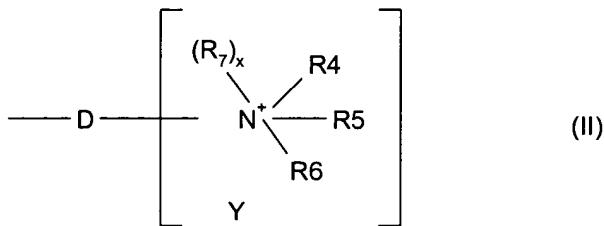
in which

n varies from 0 to 4, it being understood that when n is greater than or equal to 2, then the radicals R₁ may be identical or different,

~~R₁ represents a halogen atom; a saturated or unsaturated, aliphatic or alicyclic, C₁-C₆ hydrocarbon chain, it being possible for the chain to contain one or more oxygen, nitrogen, silicon or sulphur atoms or an SO₂ group, and it being possible for the chain to be substituted with one or more hydroxyl or amino radicals; an onium radical Z, the radical R₁ not containing a peroxide bond, or diazo, nitro or nitroso radicals, is chosen from chlorine, bromine, C₁-C₄ alkyl, C₁-C₄ hydroxyalkyl, C₁-C₄ aminoalkyl, C₁-C₄ alkoxy or C₁-C₄ hydroxyalkoxy radicals,~~

~~R₂ represents an onium radical Z or a radical -X-C=NR₈-NR₉R₁₀ in which X represents an oxygen atom or a radical -NR₁₁ and R₈, R₉, R₁₀ and R₁₁ represent a hydrogen~~

atom, a C₁-C₄ alkyl radical or a C₁-C₄ hydroxylalkyl radical, the onium radical Z corresponding to formula (II)



in which

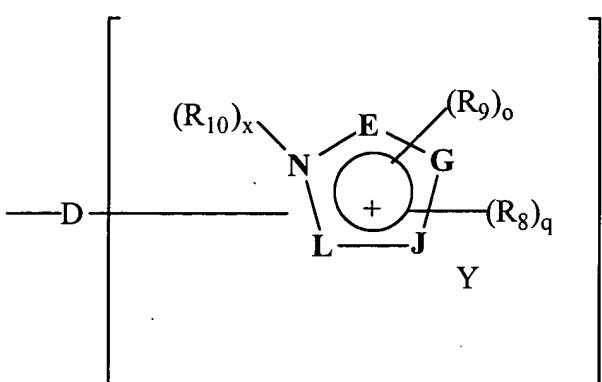
D is a single bond of a linear or branched C₁-C₁₄ alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C₁-C₆ alkoxy or amino radicals and which may carry one or more ketone functional groups;

R₄, R₅ and R₆, taken separately, represent a C₁-C₁₅ alkyl radical;

x is 0 and the linking arm is attached to the nitrogen atom carrying the radicals R₄ to R₆;

Y is a counter-ion; or

R₂ represents the onium radical Z corresponding to formula III



(III)

in which

D is a single bond or a linear or branched C₁-C₁₄ alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen,

and which may be substituted with one or more hydroxyl, C₁-C₆ alkoxy or amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J and L form an imidazole ring;

q is an integer between 0 and 4 inclusive;

o is an integer between 0 and 3 inclusive;

q+o is an integer between 0 and 4;

the radicals R₈, which are identical or different, represent a halogen atom, a hydroxyl radical, a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a C₁-C₆ alkoxy radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, an amido radical, a carboxyl radical, a C₁-C₆ alkylcarbonyl radical, a thio radical, a C₁-C₆ thioalkyl radical, a (C₁-C₆)alkylthio radical, an amino radical, an amino radical which is mono- or di-substituted with a (C₁-C₆)alkyl, (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; a C₁-C₆ monohydroxyalkyl radical or a C₂-C₆ polyhydroxyalkyl radical; it being understood that the radicals R₈ are carried by a carbon atom;

the radicals R₉, which are identical or different, represent a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, a (C₁-C₆)alkoxy(C₁-C₆)alkyl radical, a C₁-C₆ carbamylalkyl radical, a (C₁-C₆)alkylcarboxy(C₁-C₆)alkyl radical, a benzyl radical; it being understood that the radicals R₉ are carried by a nitrogen atom;

R₁₀ represents a C₁-C₆ alkyl radical; a C₁-C₆ monohydroxyalkyl radical; a C₂-C₆ polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C₁-C₆ aminoalkyl radical, a C₁-C₆ aminoalkyl radical whose amine is substituted with a (C₁-C₆)alkyl, (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; a C₁-C₆ carboxyalkyl radical; a C₁-C₆ carbamylalkyl radical; a C₁-C₆ trifluoroalkyl radical; a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical; a C₁-C₆ sulphonamidoalkyl radical; a (C₁-C₆)alkylcarboxy(C₁-C₆)alkyl radical; a (C₁-C₆)alkylsulphanyl(C₁-C₆)alkyl radical; a (C₁-C₆)alkylsulphonyl(C₁-

C_6)alkyl radical; a (C_1-C_6) alkylcarbonyl(C_1-C_6)alkyl radical; an $N-(C_1-C_6)$ alkylcarbamyl(C_1-C_6)alkyl radical; an $N-(C_1-C_6)$ alkylsulphonamido(C_1-C_6)alkyl radical;

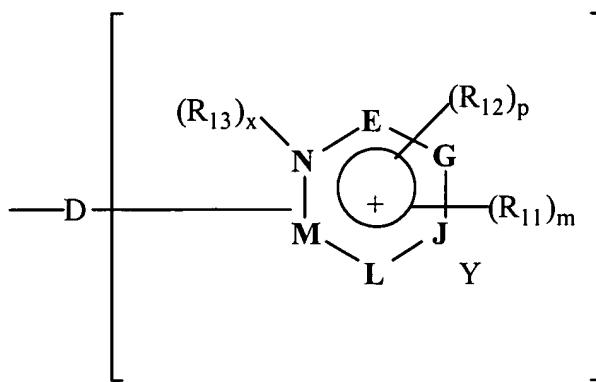
x is 0 or 1

when $x = 0$, the linking arm D is attached to the nitrogen atom,

when $x = 1$, the linking arm D is attached to one of the vertices E, G, J or L;

Y is a counter-ion; or

R_2 represents an onium radical Z corresponding to formula IV



(IV)

in which:

D is a single bond or a linear or branched C_1-C_{14} alkylene chain which may contain one or more heteroatoms chosen from an oxygen, sulphur or nitrogen atom, and which may be substituted with one or more hydroxyl, C_1-C_6 alkoxy or amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J, L and M form, with the nitrogen of the ring, a ring chosen from pyridine and pyrimidine rings;

p is an integer between 0 and 3 inclusive;

m is an integer between 0 and 5 inclusive;

$p+m$ is an integer between 0 and 5;

the radicals R₁₁, which are identical or different, represent a halogen atom, a hydroxyl radical, a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a C₁-C₆ alkoxy radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, an amido radical, a carboxyl radical, a C₁-C₆ alkylcarbonyl radical, a thio radical, a C₁-C₆ thioalkyl radical, a (C₁-C₆)alkylthio radical, an amino radical, an amino radical which is substituted with a (C₁-C₆)alkyl, (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; a C₁-C₆ monohydroxyalkyl radical or a C₂-C₆ polyhydroxyalkyl radical; it being understood that the radicals R₁₁ are carried by a carbon atom;

the radicals R₁₂, which are identical or different, represent a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, a (C₁-C₆)alkoxy(C₁-C₆)alkyl radical, a C₁-C₆ carbamylalkyl radical, a (C₁-C₆)alkylcarboxy(C₁-C₆)alkyl radical, a benzyl radical; it being understood that the radicals R₁₂ are carried by a nitrogen atom;

R₁₃ represents a C₁-C₆ alkyl radical; a C₁-C₆ monohydroxyalkyl radical; a C₂-C₆ polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C₁-C₆ aminoalkyl radical, a C₁-C₆ aminoalkyl radical whose amine is mono- or di-substituted with a (C₁-C₆)alkyl, (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; a C₁-C₆ carboxyalkyl radical; a C₁-C₆ carbamylalkyl radical; a C₁-C₆ trifluoroalkyl radical; a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical; a C₁-C₆ sulphonamidoalkyl radical; a (C₁-C₆)alkylcarboxy(C₁-C₆)alkyl radical; a (C₁-C₆)alkylsulphanyl(C₁-C₆)alkyl radical; a (C₁-C₆)alkylsulphonyl(C₁-C₆)alkyl radical; a (C₁-C₆)alkylcarbonyl(C₁-C₆)alkyl radical; an N-(C₁-C₆)alkylcarbamyl(C₁-C₆)alkyl radical; an N-(C₁-C₆)alkylsulphonamido(C₁-C₆)alkyl radical;

x is 0 or 1

when x = 0, the linking arm D is attached to the nitrogen atom,

when x = 1, the linking arm D is attached to one of the vertices E, G, J, L or M,

Y is a counter-ion;

R_3 represents a hydrogen atom or a hydroxyl radical.

2. (Canceled)
3. (Previously presented) The composition of claim 1, in which the cationic tertiary para-phenylenediamine is such that n is equal to 0.
4. (Currently amended) The composition of claim 1, in which the cationic tertiary para-phenylenediamine is such that n is equal to 1 and R_1 is chosen from the group consisting of a halogen atom; a saturated or unsaturated, aliphatic or alicyclic, C_1-C_6 hydrocarbon chain; it being possible for one or more carbon atoms to be replaced by an oxygen, nitrogen, silicon or sulphur atom, or by an SO_2 group, the radical R_1 not containing a peroxide bond, or diazo, nitro or nitroso radicals.
5. (Canceled)
6. (Currently amended) The composition of claim [[5]] 1, in which the cationic tertiary para-phenylenediamine is such that R_1 is chosen from a methyl, hydroxymethyl, 2-hydroxyethyl, 1,2-dihydroxyethyl, methoxy, isopropoxy or 2-hydroxyethoxy radical.
7. (Canceled)
8. (Currently amended) The composition of claim [[7]] 1, in which the cationic tertiary para-phenylenediamine is such that R_2 corresponds to formula II in which x is equal to 0 and R_4 , R_5 and R_6 separately are preferably chosen from a C_1-C_6 alkyl radical, a C_1-C_4 monohydroxyalkyl radical, a C_2-C_4 polyhydroxyalkyl radical, a (C_1-C_6) alkoxy(C_1-C_4)alkyl radical, a C_1-C_6 amidoalkyl radical, a tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radical, or R_4 with R_5 form together an azetidine ring, a pyrrolidine, piperidine, piperazine or morpholine ring, R_6 being chosen in this case from a C_1-C_6 alkyl radical; a C_1-C_6 monohydroxyalkyl radical, a C_2-C_6 polyhydroxyalkyl radical; a C_1-C_6 aminoalkyl radical, an aminoalkyl radical which is mono- or di-substituted with a (C_1-C_6) alkyl radical, a (C_1-C_6) alkylcarbonyl, amido or (C_1-C_6) alkylsulphonyl radical; a C_1-C_6 carbamylalkyl radical; a tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radical; a (C_1-C_6) alkyl carboxy(C_1-C_6)alkyl radical; a (C_1-C_6) alkylcarbonyl(C_1-C_6)alkyl radical; an N- (C_1-C_6) alkylcarbamyl(C_1-C_6)alkyl radical.

9-10. (Canceled)

11. (Currently amended) The composition of claim [[7]] 1, in which the cationic tertiary para-phenylenediamine is such that R_2 is a trialkylammonium radical.

12-13. (Canceled)

14. (Currently amended) The composition of claim [[12]] 1, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula III, x is equal to 0, and D is a single bond or an alkylene chain which may be substituted.

15-16. (Canceled)

17. (Currently amended) The composition of claim [[15]] 1, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula IV, x is equal to 0, and R_{11} is chosen from a hydroxyl radical, a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a C_1 - C_6 alkoxy radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, an amido radical, a C_1 - C_6 alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di-substituted with a (C_1 - C_6)alkyl, a (C_1 - C_6)alkylcarbonyl, amido or (C_1 - C_6)alkylsulphonyl radical; a C_1 - C_6 monohydroxyalkyl radical or a C_2 - C_6 polyhydroxyalkyl radical and R_{12} is chosen from a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, a (C_1 - C_6)alkoxy(C_1 - C_6)alkyl radical, a C_1 - C_6 carbamylalkyl radical.

18. (Currently amended) The composition of claim [[15]] 1, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula IV, x is equal to 1, and R_{13} is chosen from a C_1 - C_6 alkyl radical; a C_1 - C_6 monohydroxyalkyl radical; a C_2 - C_6 polyhydroxyalkyl radical; a C_1 - C_6 aminoalkyl radical, a C_1 - C_6 aminoalkyl radical whose amine is mono- or di-substituted with a (C_1 - C_6)alkyl radical, a (C_1 - C_6)alkylcarbonyl radical, an amido radical, a (C_1 - C_6)alkylsulphonyl radical; a C_1 - C_6 carbamylalkyl radical; a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylcarbonyl(C_1 - C_6)alkyl radical; an N-(C_1 - C_6)alkylcarbamyl(C_1 - C_6)alkyl radical; R_{11} is chosen from a hydroxyl radical, a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a C_1 - C_6 alkoxy radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, an amido radical, a C_1 - C_6 alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di- substituted

with a (C₁-C₆)alkyl, (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; and R₁₂ is chosen from a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, a (C₁-C₆)alkoxy(C₁-C₆)alkyl radical, a C₁-C₆ carbamylalkyl radical.

19. (Currently amended) The composition of claim [[15]] 1, in which the cationic tertiary para-phenylenediamine is such that R₂ represents an onium radical Z corresponding to formula IV, and R₁₁, R₁₂ and R₁₃ are alkyl radicals which may be substituted.

20-21. (Canceled)

22. (Currently amended) The composition of claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride[[],]

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

~~N-[1-(4-Aminophenyl)pyrrolidin-3-yl] N,N-dimethyl guanidinium chloride~~

~~N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride~~

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

~~[1-(4-Aminophenyl)pyrrolidin-3-yl] (2-hydroxyethyl)dimethylammonium chloride~~

~~[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl (3-trimethylsilylpropyl)ammonium chloride~~

~~[1-(4-Aminophenyl)pyrrolidin-3-yl] (trimethylammonium hexyl)dimethylammonium dichloride~~

~~[1-(4-Aminophenyl)pyrrolidin-3-yl]oxophosphorylcholine~~

{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}trimethylammonium chloride

~~1-(2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl)-1-methylpyrrolidinium chloride~~

3-{3-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-ium chloride

~~1-(2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl)-1-methylpiperidinium chloride~~

~~3-[3-[1-(5-trimethylsilanylethyl)-4-Amino-3-trimethylsilanylethylphenyl]pyrrolidin-3-yloxy]propyl-1-methyl-3H-imidazol-1-ium chloride~~

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride

~~N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium chloride~~

~~N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl] guanidinium chloride~~

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-2-hydroxyethyl)dimethylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilylpropylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-trimethylammoniumhexyl-dimethylammonium dichloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]oxophosphorylcholine

{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}trimethylammonium chloride

~~1-[2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl]-1-methylpyrrolidinium chloride~~

3-{3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]-propyl}-1-methyl-3H-imidazol-1-ium chloride

~~1-[2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl]-1-methylpiperidinium chloride~~

~~[1-(4-Amino-3-trimethylsilylethylphenyl)pyrrolidin-3-yl]trimethylammonium chloride~~

~~3-[1-(4-Amino-3-trimethylsilylethylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride~~

~~3-[3-[1-(4-Amino-3-trimethylsilylethylphenyl)pyrrolidin-3-yloxy]propyl]-1-methyl-3H-imidazol-1-ium chloride~~

~~[1-(5-trimethylsilylethyl)-4-Amino-3-trimethylsilylethylphenyl]pyrrolidin-3-yl]trimethylammonium chloride~~

~~3-[1-(5-trimethylsilyl-ethyl)-4-Amino-3-trimethylsilyl-ethyl-phenyl]pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride~~

~~1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride~~

~~1'-(4-Amino-3-methylphenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride~~

~~3-{{[1-(4-Aminophenyl)pyrrolidin-3-yl]carbamoyl}methyl}-1-methyl-3H-imidazol-1-ium chloride~~

~~3-{{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]carbamoyl}methyl}-1-methyl-3H-imidazol-1-ium chloride~~

~~3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride~~

~~3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide[[],]~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide~~

~~[1-(4-Aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium chloride~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium iodide.~~

23. (Currently amended) The composition of claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride[;;]

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide[;;]

~~N-[1-(4-Aminophenyl)pyrrolidin-3-yl] N,N-dimethyl guanidinium chloride~~

~~N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride~~

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride[;;]

~~[1-(4-Aminophenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride~~

~~[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl(3-trimethylsilylpropyl)ammonium chloride[;;]~~

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride

~~N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl] N,N-dimethyl guanidinium chloride~~

~~N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl] guanidinium chloride~~

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

~~[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride~~

~~[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyl(3-trimethylsilylpropyl)ammonium chloride~~

~~1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride~~

~~1'-(4-Amino-3-methylphenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride~~

3-{{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride}

3-{{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride}

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide[[],]

[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate

[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide

~~[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium chloride~~

~~[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium iodide.~~

24. (Currently amended) The composition of claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

~~N-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium chloride~~

~~N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride~~

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

~~[1-(4-Aminophenyl)pyrrolidin-3-yl]-2-hydroxyethyl)dimethylammonium chloride~~

~~[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilylpropyl)ammonium chloride~~

[1-(4-Aminophenyl)pyrrolidin-3-yl] (trimethylammoniumhexyl)dimethylammonium dichloride

~~1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride~~

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide[[],]

[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate

[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethylidemethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethylidemethylammonium iodide.

25. (Currently amended) The composition of claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]-2-hydroxyethylidemethylammonium chloride

~~1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride.~~

26. (Currently amended) The composition of claim 1, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

~~[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride, and [1-(4-Aminophenyl)pyrrolidin-3-yl] (2-hydroxyethyl)dimethylammonium chloride.~~

27-33. (Cancelled)

34. (Currently amended) The composition of claim 1, in which the cationic tertiary para-phenylenediamine(s) having a pyrrolidine ring represent from about 0.001 to about 10% by weight relative to the total weight of the composition.

35. (Currently amended) The composition of claim 1, in which the organic diacid compound(s) represent from about 0.01% to about 30% by weight relative to the total weight of the composition.

36. (Original) The composition of claim 1, such that it additionally contains at least one cationic polymer.

37. (Original) The composition of claim 1, such that it additionally contains at least one thickening polymer.

38. (Original) The composition of claim 1, such that it additionally contains at least one surfactant chosen from the group consisting of anionic surfactants, amphoteric or zwitterionic surfactants, nonionic surfactants and cationic surfactants.

39. (Original) The composition of claim 1, such that it comprises at least one additional oxidation base other than cationic tertiary para-phenylenediamines having a pyrrolidine ring chosen from para-phenylenediamines, bis-phenylalkylenediamines, para-aminophenols, ortho-aminophenols, heterocyclic bases and their addition salts.

40. (Currently amended) The composition of claim 39, in which the additional oxidation base(s) are present in a quantity of between about 0.001 to about 20% by weight relative to the total weight of the composition.

41. (Original) The composition of claim 1, such that it additionally comprises at least one coupler chosen from meta-phenylenediamines, meta-aminophenols, meta-diphenols, naphthalene couplers, heterocyclic couplers and their addition salts.

42. (Original) The composition of claim 41, such that the coupler is chosen from 1,3-dihydroxybenzene, 1,3-dihydroxy-2-methylbenzene, 4-chloro-1,3-dihydroxybenzene, 2,4-diamino-1-(β -hydroxyethoxy)benzene, 2-amino-4-(β -hydroxyethylamino)-1-methoxybenzene, 1,3-diaminobenzene, 1,3-bis(2,4-diaminophenoxy)propane, 3-ureidoaniline, 3-ureido-1-dimethylaminobenzene, sesamol, 1- β -hydroxyethylamino-3,4-methylenedioxybenzene, α -naphthol, 2-methyl-1-naphthol, 6-hydroxyindole, 4-hydroxyindole, 4-hydroxy-N-methylindole, 2-amino-3-hydroxypyridine, 6-hydroxybenzomorpholine, 3,5-diamino-2,6-dimethoxypyridine, 1-N-(β -hydroxyethyl)amino-3,4-methylenedioxybenzene, 2,6-bis(β -hydroxyethylamino)toluene and their addition salts.

43. (Currently amended) The composition of claim 41, such that the coupler(s) are present in a quantity of between about 0.001 and about 20% by weight relative to the total weight of the composition.

44. (Original) The composition of claim 1, such that it additionally comprises at least one direct dye.

45. (Original) The composition of claim 1, such that it additionally comprises at least one hydroxylated solvent such as ethanol, propylene glycol, glycerol, polyol monoethers.

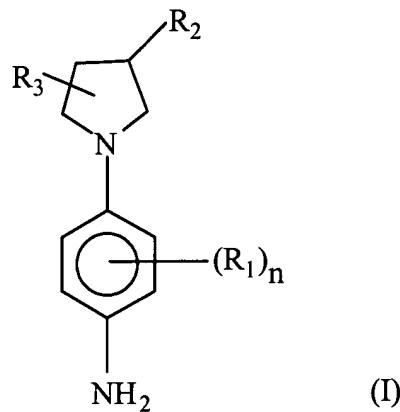
46. (Original) The composition of claim 1, such that it comprises at least one oxidizing agent chosen from hydrogen peroxide, urea peroxide, alkali metal bromates, persalts, peracids and oxidase enzymes, and preferably hydrogen peroxide.

47. (Original) A method for the oxidation dyeing of keratinous fibres, characterized in that a dyeing composition as defined in claim 1 is applied to the fibres in the presence of an oxidizing agent.

48. (Original) A multicompartiment device in which the first compartment contains a dyeing composition for dyeing keratinous fibres, as defined in claim 1, and a second compartment contains an oxidizing agent.

49. (Canceled)

50. (New) A dyeing composition for dyeing keratinous fibres comprising, in an appropriate dyeing medium, at least one cationic tertiary para-phenylenediamine containing a pyrrolidine ring, and at least one organic diacid compound chosen from dilinoleic acid or maleic acid, wherein said cationic tertiary paraphenylenediamine containing a pyrrolidine ring corresponds to formula I:

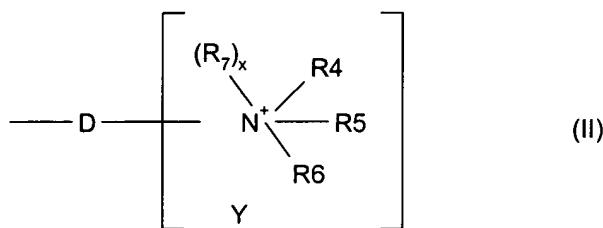


in which

n varies from 0 to 4, it being understood that when n is greater than or equal to 2, then the radicals R₁ may be identical or different,

R₁ is chosen from chlorine, bromine, C₁-C₄ alkyl, C₁-C₄ hydroxyalkyl, C₁-C₄ aminoalkyl, C₁-C₄ alkoxy or C₁-C₄ hydroxyalkoxy radicals,

R₂ represents the onium radical Z corresponding to formula (II)



in which

D is a single bond of a linear or branched C₁-C₁₄ alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C₁-C₆ alkoxy or

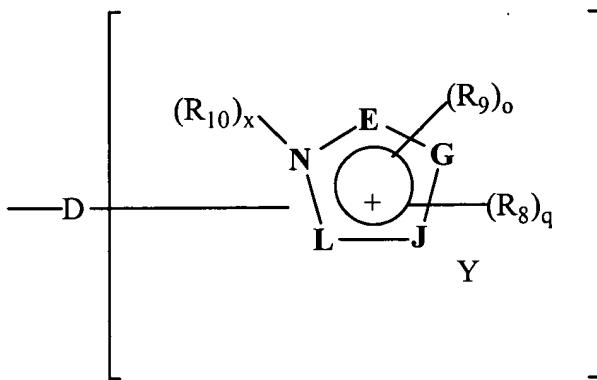
amino radicals and which may carry one or more ketone functional groups;

R_4 , R_5 and R_6 , taken separately, represent a C_1 - C_{15} alkyl radical;

x is 0 and the linking arm is attached to the nitrogen atom carrying the radicals R_4 to R_6 ;

Y is a counter-ion; or

R_2 represents the onium radical Z corresponding to formula III



(III)

in which

D is a single bond or a linear or branched C_1 - C_{14} alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C_1 - C_6 alkoxy or amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J and L form an imidazole ring;

q is an integer between 0 and 4 inclusive;

o is an integer between 0 and 3 inclusive;

$q+o$ is an integer between 0 and 4;

the radicals R_8 , which are identical or different, represent a halogen atom, a hydroxyl radical, a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a C_1 - C_6 alkoxy radical, a tri(C_1 -

C_6)alkylsilane(C_1 - C_6)alkyl radical, an amido radical, a carboxyl radical, a C_1 - C_6 alkylcarbonyl radical, a thio radical, a C_1 - C_6 thioalkyl radical, a (C_1 - C_6)alkylthio radical, an amino radical, an amino radical which is mono- or di-substituted with a (C_1 - C_6)alkyl, (C_1 - C_6)alkylcarbonyl, amido or (C_1 - C_6)alkylsulphonyl radical; a C_1 - C_6 monohydroxyalkyl radical or a C_2 - C_6 polyhydroxyalkyl radical; it being understood that the radicals R_8 are carried by a carbon atom;

the radicals R_9 , which are identical or different, represent a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, a (C_1 - C_6)alkoxy(C_1 - C_6)alkyl radical, a C_1 - C_6 carbamylalkyl radical, a (C_1 - C_6)alkylcarboxy(C_1 - C_6)alkyl radical, a benzyl radical; it being understood that the radicals R_9 are carried by a nitrogen atom;

R_{10} represents a C_1 - C_6 alkyl radical; a C_1 - C_6 monohydroxyalkyl radical; a C_2 - C_6 polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C_1 - C_6 aminoalkyl radical, a C_1 - C_6 aminoalkyl radical whose amine is substituted with a (C_1 - C_6)alkyl, (C_1 - C_6)alkylcarbonyl, amido or (C_1 - C_6)alkylsulphonyl radical; a C_1 - C_6 carboxyalkyl radical; a C_1 - C_6 carbamylalkyl radical; a C_1 - C_6 trifluoroalkyl radical; a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical; a C_1 - C_6 sulphonamidoalkyl radical; a (C_1 - C_6)alkylcarboxy(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylsulphanyl(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylsulphonyl(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylcarbonyl(C_1 - C_6)alkyl radical; an N-(C_1 - C_6)alkylcarbamyl(C_1 - C_6)alkyl radical; an N-(C_1 - C_6)alkylsulphonamido(C_1 - C_6)alkyl radical;

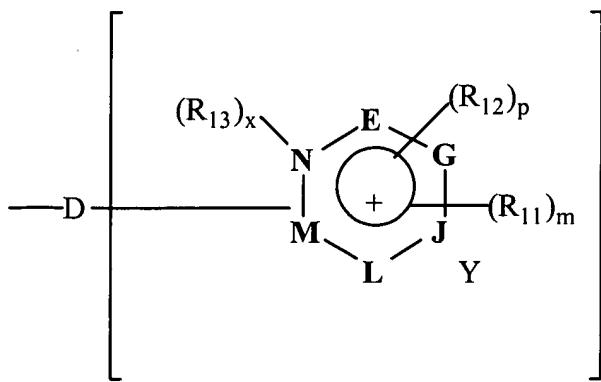
x is 0 or 1

when x = 0, the linking arm D is attached to the nitrogen atom,

when x = 1, the linking arm D is attached to one of the vertices E, G, J or L;

Y is a counter-ion; or

R_2 represents an onium radical Z corresponding to formula IV



(IV)

in which:

D is a single bond or a linear or branched C₁-C₁₄ alkylene chain which may contain one or more heteroatoms chosen from an oxygen, sulphur or nitrogen atom, and which may be substituted with one or more hydroxyl, C₁-C₆ alkoxy or amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J, L and M form, with the nitrogen of the ring, a ring chosen from pyridine and pyrimidine rings;

p is an integer between 0 and 3 inclusive;

m is an integer between 0 and 5 inclusive;

p+m is an integer between 0 and 5;

the radicals R₁₁, which are identical or different, represent a halogen atom, a hydroxyl radical, a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a C₁-C₆ alkoxy radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, an amido radical, a carboxyl radical, a C₁-C₆ alkylcarbonyl radical, a thio radical, a C₁-C₆ thioalkyl radical, a (C₁-C₆)alkylthio radical, an amino radical, an amino radical which is substituted with a (C₁-C₆)alkyl, (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; a C₁-C₆ monohydroxyalkyl radical or a C₂-C₆ polyhydroxyalkyl radical; it being understood that the radicals R₁₁ are carried by a carbon atom;

the radicals R_{12} , which are identical or different, represent a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, a (C_1 - C_6)alkoxy(C_1 - C_6)alkyl radical, a C_1 - C_6 carbamylalkyl radical, a (C_1 - C_6)alkylcarboxy(C_1 - C_6)alkyl radical, a benzyl radical; it being understood that the radicals R_{12} are carried by a nitrogen atom;

R_{13} represents a C_1 - C_6 alkyl radical; a C_1 - C_6 monohydroxyalkyl radical; a C_2 - C_6 polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C_1 - C_6 aminoalkyl radical, a C_1 - C_6 aminoalkyl radical whose amine is mono- or di-substituted with a (C_1 - C_6)alkyl, (C_1 - C_6)alkylcarbonyl, amido or (C_1 - C_6)alkylsulphonyl radical; a C_1 - C_6 carboxyalkyl radical; a C_1 - C_6 carbamylalkyl radical; a C_1 - C_6 trifluoroalkyl radical; a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical; a C_1 - C_6 sulphonamidoalkyl radical; a (C_1 - C_6)alkylcarboxy(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylsulphinyl(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylsulphonyl(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylcarbonyl(C_1 - C_6)alkyl radical; an N-(C_1 - C_6)alkylcarbamyl(C_1 - C_6)alkyl radical; an N-(C_1 - C_6)alkylsulphonamido(C_1 - C_6)alkyl radical;

x is 0 or 1

when x = 0, the linking arm D is attached to the nitrogen atom,

when x = 1, the linking arm D is attached to one of the vertices E, G, J, L or M,

Y is a counter-ion;

R_3 represents a hydrogen atom or a hydroxyl radical.

51. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that n is equal to 0.

52. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that n is equal to 1.

53. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that R_1 is chosen from a methyl, hydroxymethyl, 2-hydroxyethyl, 1,2-dihydroxyethyl, methoxy, isopropoxy or 2-hydroxyethoxy radical.

54. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that R₂ corresponds to formula II in which x is equal to 0 and R₄, R₅ and R₆ separately are chosen from a C₁-C₆ alkyl radical.

55. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that R_2 is a trialkylammonium radical.

56. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula III, x is equal to 0, and D is a single bond or an alkylene chain which may be substituted.

57. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula IV, x is equal to 0, and R_{11} is chosen from a hydroxyl radical, a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a C_1 - C_6 alkoxy radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, an amido radical, a C_1 - C_6 alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di-substituted with a (C_1 - C_6)alkyl, a (C_1 - C_6)alkylcarbonyl, amido or (C_1 - C_6)alkylsulphonyl radical; a C_1 - C_6 monohydroxyalkyl radical or a C_2 - C_6 polyhydroxyalkyl radical and R_{12} is chosen from a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, a (C_1 - C_6)alkoxy(C_1 - C_6)alkyl radical, a C_1 - C_6 carbamylalkyl radical.

58. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula IV, x is equal to 1, and R_{13} is chosen from a C_1 - C_6 alkyl radical; a C_1 - C_6 monohydroxyalkyl radical; a C_2 - C_6 polyhydroxyalkyl radical; a C_1 - C_6 aminoalkyl radical, a C_1 - C_6 aminoalkyl radical whose amine is mono- or di-substituted with a $(C_1$ - $C_6)$ alkyl radical, a $(C_1$ - $C_6)$ alkylcarbonyl radical, an amido radical, a $(C_1$ - $C_6)$ alkylsulphonyl radical; a C_1 - C_6 carbamylalkyl radical; a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical; a $(C_1$ - $C_6)$ alkylcarbonyl(C_1 - C_6)alkyl radical; an N- $(C_1$ - $C_6)$ alkylcarbamyl(C_1 - C_6)alkyl radical; R_{11} is chosen from a hydroxyl radical, a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a C_1 - C_6 alkoxy radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, an amido radical, a C_1 - C_6 alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di- substituted with a $(C_1$ - $C_6)$ alkyl, (C_1 - C_6)alkylcarbonyl, amido or $(C_1$ - $C_6)$ alkylsulphonyl radical; and R_{12} is chosen from a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a tri(C_1 - C_6)

C_6)alkylsilane(C_1 - C_6)alkyl radical, a (C_1 - C_6)alkoxy(C_1 - C_6)alkyl radical, a C_1 - C_6 carbamylalkyl radical.

59. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula IV, and R_{11} , R_{12} and R_{13} are alkyl radicals which may be substituted.

60. (New) The composition of claim 50, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}trimethylammonium chloride

3-{3-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}trimethylammonium chloride

3-{3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]-propyl}-1-methyl-3H-imidazol-1-ium chloride

3-{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride

3-{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride
[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate
[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide
[1-(4-Aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide.

61. (New) The composition of claim 50, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride
[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride
[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride
3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
3-{{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride
3-{{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide

[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate

[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide

[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide.

62. (New) The composition of claim 50, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]-(trimethylammoniumhexyl)dimethylammonium dichloride

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate
[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide.

63. (New) The composition of claim 50, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride.

64. (New) The composition of claim 50, in which the cationic tertiary para-phenylene is [1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride.

65. (New) The composition of claim 50, in which the cationic tertiary para-phenylenediamine(s) having a pyrrolidine ring represent from about 0.001 to about 10% by weight relative to the total weight of the composition.

66. (New) The composition of claim 50, in which the organic diacid compound(s) represent from about 0.01% to about 30% by weight relative to the total weight of the composition.

67. (New) The composition of claim 50, such that it additionally contains at least one cationic polymer.

68. (New) The composition of claim 50, such that it additionally contains at least one thickening polymer.

69. (New) The composition of claim 50, such that it additionally contains at least one surfactant chosen from the group consisting of anionic surfactants, amphoteric or zwitterionic surfactants, nonionic surfactants and cationic surfactants.

70. (New) The composition of claim 50, such that it comprises at least one additional oxidation base other than cationic tertiary para-phenylenediamines having a pyrrolidine ring chosen from para-phenylenediamines, bis-phenylalkylenediamines, para-aminophenols, ortho-aminophenols, heterocyclic bases and their addition salts.

71. (New) The composition of claim 70, in which the additional oxidation base(s) are present in a quantity of between about 0.001 to about 20% by weight relative to the total weight of the composition.

72. (New) The composition of claim 50, such that it additionally comprises at least one coupler chosen from meta-phenylenediamines, meta-aminophenols, meta-diphenols, naphthalene couplers, heterocyclic couplers and their addition salts.

73. (New) The composition of claim 72, such that the coupler is chosen from 1,3-dihydroxybenzene, 1,3-dihydroxy-2-methylbenzene, 4-chloro-1,3-dihydroxybenzene, 2,4-diamino-1-(β -hydroxyethoxy)benzene, 2-amino-4-(β -hydroxyethylamino)-1-methoxybenzene, 1,3-diaminobenzene, 1,3-bis(2,4-diaminophenoxy)propane, 3-ureidoaniline, 3-ureido-1-dimethylaminobenzene, sesamol, 1- β -hydroxyethylamino-3,4-methylenedioxybenzene, α -naphthol, 2-methyl-1-naphthol, 6-hydroxyindole, 4-hydroxyindole, 4-hydroxy-N-methylindole, 2-amino-3-hydroxypyridine, 6-hydroxybenzomorpholine, 3,5-diamino-2,6-dimethoxypyridine, 1-N-(β -hydroxyethyl)amino-3,4-methylenedioxybenzene, 2,6-bis(β -hydroxyethylamino)toluene and their addition salts.

74. (New) The composition of claim 72, such that the coupler(s) are present in a quantity of between about 0.001 and about 20% by weight relative to the total weight of the composition.

75. (New) The composition of claim 50, such that it additionally comprises at least one direct dye.

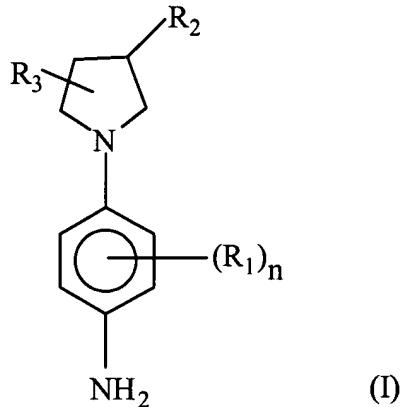
76. (New) The composition of claim 50, such that it additionally comprises at least one hydroxylated solvent such as ethanol, propylene glycol, glycerol, polyol monoethers.

77. (New) The composition of claim 50, such that it comprises at least one oxidizing agent chosen from hydrogen peroxide, urea peroxide, alkali metal bromates, persalts, peracids and oxidase enzymes, and preferably hydrogen peroxide.

78. (New) A method for the oxidation dyeing of keratinous fibres, characterized in that a dyeing composition as defined in claim 50 is applied to the fibres in the presence of an oxidizing agent.

79. (New) A multicompartiment device in which the first compartment contains a dyeing composition for dyeing keratinous fibres, as defined in claim 50, and a second compartment contains an oxidizing agent.

80. (New) A dyeing composition for dyeing keratinous fibres comprising, in an appropriate dyeing medium, at least one cationic tertiary para-phenylenediamine containing a pyrrolidine ring, and one organic diacid compound which is dilinoleic acid, wherein said cationic tertiary paraphenylenediamine containing a pyrrolidine ring corresponds to formula I:

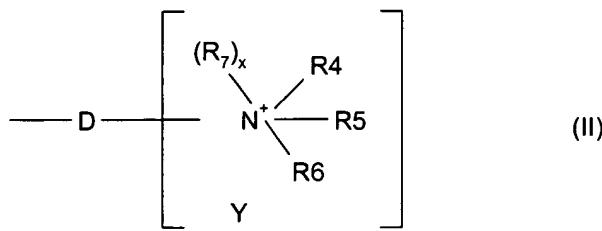


in which

n varies from 0 to 4, it being understood that when n is greater than or equal to 2, then the radicals R₁ may be identical or different,

R₁ is chosen from chlorine, bromine, C₁-C₄ alkyl, C₁-C₄ hydroxyalkyl, C₁-C₄ aminoalkyl, C₁-C₄ alkoxy or C₁-C₄ hydroxyalkoxy radicals,

R₂ represents the onium radical Z corresponding to formula (II)



in which

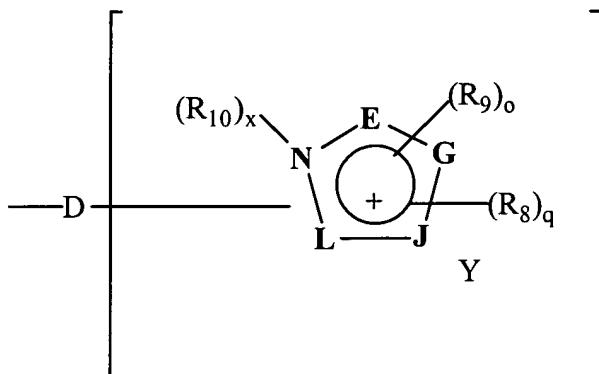
D is a single bond of a linear or branched C₁-C₁₄ alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C₁-C₆ alkoxy or amino radicals and which may carry one or more ketone functional groups;

R₄, R₅ and R₆, taken separately, represent a C₁-C₁₅ alkyl radical;

x is 0 and the linking arm is attached to the nitrogen atom carrying the radicals R₄ to R₆;

Y is a counter-ion; or

R₂ represents the onium radical Z corresponding to formula III



(III)

in which

D is a single bond or a linear or branched C₁-C₁₄ alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C₁-C₆ alkoxy or

amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J and L form an imidazole ring;

q is an integer between 0 and 4 inclusive;

o is an integer between 0 and 3 inclusive;

q+o is an integer between 0 and 4;

the radicals R₈, which are identical or different, represent a halogen atom, a hydroxyl radical, a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a C₁-C₆ alkoxy radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, an amido radical, a carboxyl radical, a C₁-C₆ alkylcarbonyl radical, a thio radical, a C₁-C₆ thioalkyl radical, a (C₁-C₆)alkylthio radical, an amino radical, an amino radical which is mono- or di-substituted with a (C₁-C₆)alkyl, (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; a C₁-C₆ monohydroxyalkyl radical or a C₂-C₆ polyhydroxyalkyl radical; it being understood that the radicals R₈ are carried by a carbon atom;

the radicals R₉, which are identical or different, represent a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, a (C₁-C₆)alkoxy(C₁-C₆)alkyl radical, a C₁-C₆ carbamylalkyl radical, a (C₁-C₆)alkylcarboxy(C₁-C₆)alkyl radical, a benzyl radical; it being understood that the radicals R₉ are carried by a nitrogen atom;

R₁₀ represents a C₁-C₆ alkyl radical; a C₁-C₆ monohydroxyalkyl radical; a C₂-C₆ polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C₁-C₆ aminoalkyl radical, a C₁-C₆ aminoalkyl radical whose amine is substituted with a (C₁-C₆)alkyl, (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; a C₁-C₆ carboxyalkyl radical; a C₁-C₆ carbamylalkyl radical; a C₁-C₆ trifluoroalkyl radical; a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical; a C₁-C₆ sulphonamidoalkyl radical; a (C₁-C₆)alkylcarboxy(C₁-C₆)alkyl radical; a (C₁-C₆)alkylsulphanyl(C₁-C₆)alkyl radical; a (C₁-C₆)alkylsulphonyl(C₁-C₆)alkyl radical; a (C₁-C₆)alkylcarbonyl(C₁-C₆)alkyl radical; an N-(C₁-

C_6 alkylcarbamyl(C_1 - C_6)alkyl radical; an N -(C_1 - C_6)alkylsulphonamido(C_1 - C_6)alkyl radical;

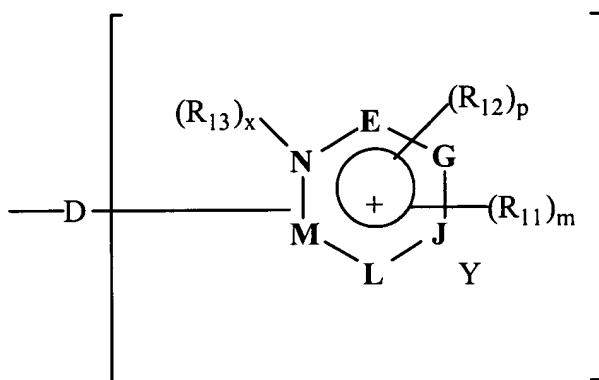
x is 0 or 1

when $x = 0$, the linking arm D is attached to the nitrogen atom,

when $x = 1$, the linking arm D is attached to one of the vertices E, G, J or L;

Y is a counter-ion; or

R_2 represents an onium radical Z corresponding to formula IV



(IV)

in which:

D is a single bond or a linear or branched C_1 - C_{14} alkylene chain which may contain one or more heteroatoms chosen from an oxygen, sulphur or nitrogen atom, and which may be substituted with one or more hydroxyl, C_1 - C_6 alkoxy or amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J, L and M form, with the nitrogen of the ring, a ring chosen from pyridine and pyrimidine rings;

p is an integer between 0 and 3 inclusive;

m is an integer between 0 and 5 inclusive;

$p+m$ is an integer between 0 and 5;

the radicals R_{11} , which are identical or different, represent a halogen atom, a hydroxyl radical, a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a C_1 - C_6 alkoxy radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, an amido radical, a carboxyl radical, a C_1 - C_6 alkylcarbonyl radical, a thio radical, a C_1 - C_6 thioalkyl radical, a (C_1 - C_6)alkylthio radical, an amino radical, an amino radical which is substituted with a (C_1 - C_6)alkyl, (C_1 - C_6)alkylcarbonyl, amido or (C_1 - C_6)alkylsulphonyl radical; a C_1 - C_6 monohydroxyalkyl radical or a C_2 - C_6 polyhydroxyalkyl radical; it being understood that the radicals R_{11} are carried by a carbon atom;

the radicals R_{12} , which are identical or different, represent a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, a (C_1 - C_6)alkoxy(C_1 - C_6)alkyl radical, a C_1 - C_6 carbamylalkyl radical, a (C_1 - C_6)alkylcarboxy(C_1 - C_6)alkyl radical, a benzyl radical; it being understood that the radicals R_{12} are carried by a nitrogen atom;

R_{13} represents a C_1 - C_6 alkyl radical; a C_1 - C_6 monohydroxyalkyl radical; a C_2 - C_6 polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C_1 - C_6 aminoalkyl radical, a C_1 - C_6 aminoalkyl radical whose amine is mono- or di-substituted with a (C_1 - C_6)alkyl, (C_1 - C_6)alkylcarbonyl, amido or (C_1 - C_6)alkylsulphonyl radical; a C_1 - C_6 carboxyalkyl radical; a C_1 - C_6 carbamylalkyl radical; a C_1 - C_6 trifluoroalkyl radical; a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical; a C_1 - C_6 sulphonamidoalkyl radical; a (C_1 - C_6)alkylcarboxy(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylsulphanyl(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylsulphonyl(C_1 - C_6)alkyl radical; a (C_1 - C_6)alkylcarbonyl(C_1 - C_6)alkyl radical; an N-(C_1 - C_6)alkylcarbamyl(C_1 - C_6)alkyl radical; an N-(C_1 - C_6)alkylsulphonamido(C_1 - C_6)alkyl radical;

x is 0 or 1

when x = 0, the linking arm D is attached to the nitrogen atom,

when x = 1, the linking arm D is attached to one of the vertices E, G, J, L or M,

Y is a counter-ion;

R₃ represents a hydrogen atom or a hydroxyl radical.

81. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that n is equal to 0.

82. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that n is equal to 1.

83. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that R₁ is chosen from a methyl, hydroxymethyl, 2-hydroxyethyl, 1,2-dihydroxyethyl, methoxy, isopropoxy or 2-hydroxyethoxy radical.

84. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that R₂ corresponds to formula II in which x is equal to 0 and R₄, R₅ and R₆ separately are chosen from a C₁-C₆ alkyl radical.

85. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that R₂ is a trialkylammonium radical.

86. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that R₂ represents an onium radical Z corresponding to formula III, x is equal to 0, and D is a single bond or an alkylene chain which may be substituted.

87. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that R₂ represents an onium radical Z corresponding to formula IV, x is equal to 0, and R₁₁ is chosen from a hydroxyl radical, a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a C₁-C₆ alkoxy radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, an amido radical, a C₁-C₆ alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di-substituted with a (C₁-C₆)alkyl, a (C₁-C₆)alkylcarbonyl, amido or (C₁-C₆)alkylsulphonyl radical; a C₁-C₆ monohydroxyalkyl radical or a C₂-C₆ polyhydroxyalkyl radical and R₁₂ is chosen from a C₁-C₆ alkyl radical, a C₁-C₆ monohydroxyalkyl radical, a C₂-C₆ polyhydroxyalkyl radical, a tri(C₁-C₆)alkylsilane(C₁-C₆)alkyl radical, a (C₁-C₆)alkoxy(C₁-C₆)alkyl radical, a C₁-C₆ carbamylalkyl radical.

88. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula IV, x is equal to 1, and R_{13} is chosen from a C_1 - C_6 alkyl radical; a C_1 - C_6 monohydroxyalkyl radical; a C_2 - C_6 polyhydroxyalkyl radical; a C_1 - C_6 aminoalkyl radical, a C_1 - C_6 aminoalkyl radical whose amine is mono- or di-substituted with a $(C_1$ - $C_6)$ alkyl radical, a $(C_1$ - $C_6)$ alkylcarbonyl radical, an amido radical, a $(C_1$ - $C_6)$ alkylsulphonyl radical; a C_1 - C_6 carbamylalkyl radical; a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical; a $(C_1$ - $C_6)$ alkylcarbonyl(C_1 - C_6)alkyl radical; an N- $(C_1$ - $C_6)$ alkylcarbamyl(C_1 - C_6)alkyl radical; R_{11} is chosen from a hydroxyl radical, a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a C_1 - C_6 alkoxy radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, an amido radical, a C_1 - C_6 alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di- substituted with a $(C_1$ - $C_6)$ alkyl, $(C_1$ - $C_6)$ alkylcarbonyl, amido or $(C_1$ - $C_6)$ alkylsulphonyl radical; and R_{12} is chosen from a C_1 - C_6 alkyl radical, a C_1 - C_6 monohydroxyalkyl radical, a C_2 - C_6 polyhydroxyalkyl radical, a tri(C_1 - C_6)alkylsilane(C_1 - C_6)alkyl radical, a $(C_1$ - $C_6)$ alkoxy(C_1 - C_6)alkyl radical, a C_1 - C_6 carbamylalkyl radical.

89. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine is such that R_2 represents an onium radical Z corresponding to formula IV, and R_{11} , R_{12} and R_{13} are alkyl radicals which may be substituted.

90. (New) The composition of claim 80, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}trimethylammonium chloride

3-{3-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride

{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl} trimethylammonium chloride
3-{3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]-propyl} 1-methyl-3H-imidazol-1-
um chloride
3-{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium
chloride
3-{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-
imidazol-1-ium chloride
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium
chloride
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium
chloride
[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride
[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate
[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide
[1-(4-Aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide.

91. (New) The composition of claim 80, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride
[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride
[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride
3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
3-{{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride
3-{{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilylpropyl)-3H-imidazol-1-ium chloride
3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilyl-propyl)-3H-imidazol-1-ium chloride
[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride
[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide
[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate
[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide.

92. (New) The composition of claim 80, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-i um chloride
[1-(4-Aminophenyl)pyrrolidin-3-yl]-trimethylammoniumhexyl)dimethylammonium
dichloride
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-i um
chloride
3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-
imidazol-1-i um chloride
[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride
[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide
[1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate
[1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide
[1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide.

93. (New) The composition of claim 80, in which the cationic tertiary para-phenylene is chosen from the group consisting of:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride
3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-i um chloride.

94. (New) The composition of claim 80, in which the cationic tertiary para-phenylene is [1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride.

95. (New) The composition of claim 80, in which the cationic tertiary para-phenylenediamine(s) having a pyrrolidine ring represent from about 0.001 to about 10% by weight relative to the total weight of the composition.

96. (New) The composition of claim 80, in which the organic diacid compound(s) represent from about 0.01% to about 30% by weight relative to the total weight of the composition.

97. (New) The composition of claim 80, such that it additionally contains at least one cationic polymer.

98. (New) The composition of claim 80, such that it additionally contains at least one thickening polymer.

99. (New) The composition of claim 80, such that it additionally contains at least one surfactant chosen from the group consisting of anionic surfactants, amphoteric or zwitterionic surfactants, nonionic surfactants and cationic surfactants.

100. (New) The composition of claim 80, such that it comprises at least one additional oxidation base other than cationic tertiary para-phenylenediamines having a pyrrolidine ring chosen from para-phenylenediamines, bis-phenylalkylenediamines, para-aminophenols, ortho-aminophenols, heterocyclic bases and their addition salts.

101. (New) The composition of claim 100, in which the additional oxidation base(s) are present in a quantity of between about 0.001 to about 20% by weight relative to the total weight of the composition.

102. (New) The composition of claim 80, such that it additionally comprises at least one coupler chosen from meta-phenylenediamines, meta-aminophenols, meta-diphenols, naphthalene couplers, heterocyclic couplers and their addition salts.

103. (New) The composition of claim 102, such that the coupler is chosen from 1,3-dihydroxybenzene, 1,3-dihydroxy-2-methylbenzene, 4-chloro-1,3-dihydroxybenzene, 2,4-diamino-1-(β -hydroxyethoxy)benzene, 2-amino-4-(β -hydroxyethylamino)-1-methoxybenzene, 1,3-diaminobenzene, 1,3-bis(2,4-diaminophenoxy)propane, 3-ureidoaniline, 3-ureido-1-dimethylaminobenzene, sesamol, 1- β -hydroxyethylamino-3,4-methylenedioxybenzene, α -naphthol, 2-methyl-1-naphthol, 6-hydroxyindole, 4-hydroxyindole, 4-hydroxy-N-

methylindole, 2-amino-3-hydroxypyridine, 6-hydroxybenzomorpholine, 3,5-diamino-2,6-dimethoxypyridine, 1-N-(β -hydroxyethyl)amino-3,4-methylenedioxybenzene, 2,6-bis(β -hydroxyethylamino)toluene and their addition salts.

104. (New) The composition of claim 102, such that the coupler(s) are present in a quantity of between about 0.001 and about 20% by weight relative to the total weight of the composition.

105. (New) The composition of claim 80, such that it additionally comprises at least one direct dye.

106. (New) The composition of claim 80, such that it additionally comprises at least one hydroxylated solvent such as ethanol, propylene glycol, glycerol, polyol monoethers.

107. (New) The composition of claim 80, such that it comprises at least one oxidizing agent chosen from hydrogen peroxide, urea peroxide, alkali metal bromates, persalts, peracids and oxidase enzymes, and preferably hydrogen peroxide.

108. (New) A method for the oxidation dyeing of keratinous fibres, characterized in that a dyeing composition as defined in claim 80 is applied to the fibres in the presence of an oxidizing agent.

109. (New) A multicompartiment device in which the first compartment contains a dyeing composition for dyeing keratinous fibres, as defined in claim 80, and a second compartment contains an oxidizing agent.